

CLAIMS

1. An adjustable tracked side-delivery hay rake movable between a working and a transport position, *characterized in*:
 - a transversal element;
 - a right lower support sliding with respect to said transversal element;
 - means for blocking the sliding between said right lower support and said transversal element;
 - a right rotary head and an appendix applied to said right rotary head;
 - a right arm having a first end that may be connected to said right rotary head, and a second end;
 - a plurality of right wheels of the hay rake that may be applied in rotatable manner to said second end of said right arm;
 - a right intermediate element connected to the lower right support in a manner rotatable around a first rotation axis, and connected to the right rotary head in rotatable manner around a first rotation axis and connected to the right rotary head in rotatable manner around a second rotation axis, said first and second rotation axis being perpendicular to each other, and that forms between the right rotary head and the right lower support a universal joint that allows the right rotary head to perform movements in all directions;
 - a first lever having a first end fixed to said right intermediate element, and a second end;
 - means for blocking the rotation movements of said right intermediate element with respect to the right lower support;
 - a left lower support sliding with respect to the transversal element;
 - means for blocking the sliding between the left lower support and the transversal element;
 - a left arm having a first end that may be connected to said left rotary head, and a second end;
 - a plurality of left wheels of the hay rake that may be applied in rotatable manner to said second end of said left arm;
 - a left intermediate element connected to the left lower support in rotatable manner around a third rotation axis, and connected with the left rotary head in rotatable manner around a fourth rotation axis, whereby said third and fourth rotation axis

are perpendicular one to the other, so as to form between the left rotary head and the left lower support a universal joint allowing said left rotary head to move in any direction;

- a second lever having a first end fixed to the left intermediate element, and a second end;
- means for blocking the rotation elements of the left intermediate element with respect to the left lower support;
- a left connection rod with a first end that may be connected in rotatable manner to the appendix of the left rotary head, and a second end that may be connected in rotatable manner to the left lower support;
- a double effect hydraulic cylinder for distancing and bringing nearer the second end of the first lever and the second end of the second lever.

2. An adjustable tracked side-delivery hay rake movable between a working and a transport position according to claim 1, *characterized in*:

- a first and a second rotation axis, oblique one to another;
- a third and a fourth rotation axis, oblique one to another.

3. An adjustable tracked side-delivery hay rake movable between a working and a transport position according to claim 1, further *characterized in*:

- means for adjusting the length of the left connecting rod;
- means for adjusting the length of the right connecting rod.